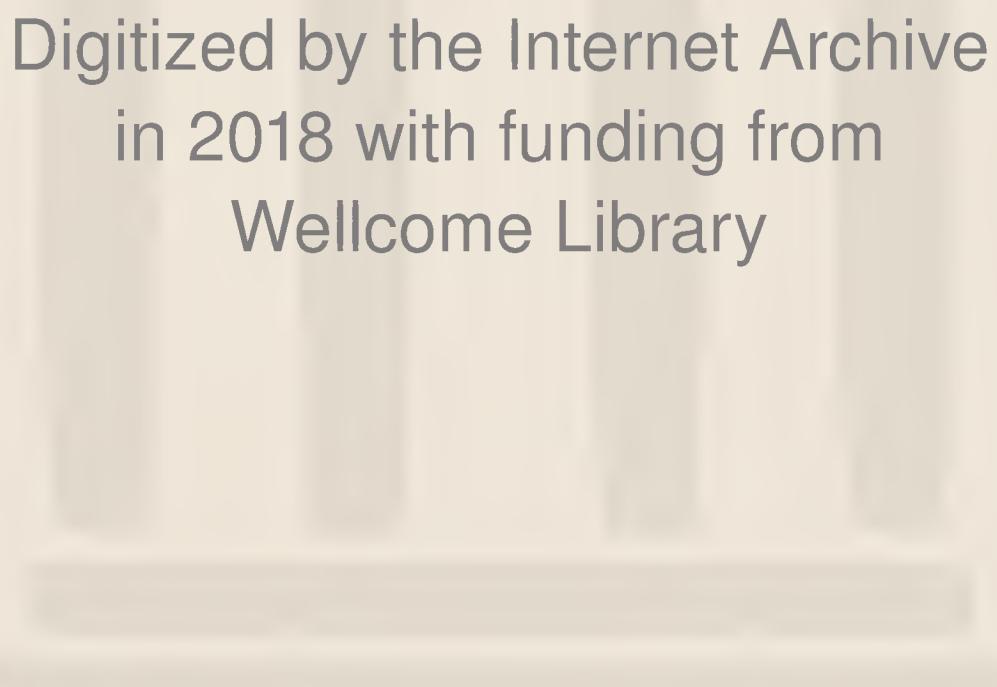


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(P) A Jackson
NARRATIVE
OF THE
LAST ILLNESS
OF THE
RIGHT HONOURABLE
THE
EARL OF ORFORD:

From *May 1744*, to the Day of his De-
cease, *March* the Eighteenth following.

By JOHN RANBY,
Principal SERJEANT SURGEON to His
MAJESTY, and F. R. S.

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Tracts



THE

PREFACE.

FULFILLING the Will of the Dead was ever, even amongst the most uncivilized Nations, esteemed an indispensable Obligation, and a Sort of a sacred Duty. And a Man, that could transgress in this essential Point, was look'd upon as capable of violating his Father's Ashes, and committing the most execrable Enormity. 'Tis in Consequence of a solemn Injunction of this Nature, that I have penned the following Narrative; the illustrious Personage, who is the melancholy Subject of it, having, in his ebbing

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The P R E F A C E.

ing Moments, recommended to me in the most affecting Manner this peculiar Province of exploring, by Dissection, the Seat, and, of course, the Cause of his Disorder, and of communicating to the World a faithful Relation of all the Circumstances: Desirous, from his innate Love to Mankind, when he could survive no longer to profit them, of being the Means of conveying what Good he could to them after his Death; according to that of the Poet,

— *Hæc etiam Cura Cadentis erat.*

OVID.

WHEN I recollect his resigned Behaviour under the most excruciating

The P R E F A C E.

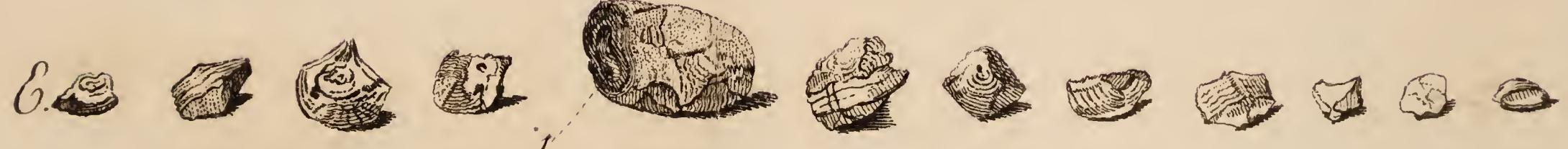
ating Pains, the magnanimous Sentiments which filled his Soul, when on the Eve, seemingly, of Dissolution, and call to Mind the exalted Expressions, that were continually flowing from him at this severe Time of Trial: However extraordinary his natural Talents, or acquired Abilities were; however he had distinguished himself by his Eloquence in the Senate, or by his singular Judgment, and Depth of Penetration, in Councils; this incomparable Constancy, and astonishing Firmness of Mind, must raise, in my Opinion, as sublime Ideas of him, as any Act of his Life besides, however good and popular; and reflect a Renown on his Name equal to that, which

con-

The P R E F A C E.

consecrates the Memory of the most remarkable Sages of Antiquity.

THE subsequent Pages will be restrained to the Giving merely an Historical Detail, and Exhibiting pure Matter of Fact: It being neither my Inclination, nor any Part of the Task assign'd me in this Affair, to make the least Comment, or Animadversion, whatsoever.



B.



C.



D.



E.



F.



G.



A

NARRATIVE
OF THE
LAST ILLNESS
OF THE
RIGHT HONOURABLE
THE
EARL OF ORFORD.

THE Earl of *ORFORD*
was last Spring attack'd
by an Intermitting Fever ;
on which Occasion he took the
Bark, by the Advice of Sir *Edward Hulse*, with very good Effect,
B and

and retired for a short Time to *Richmond Park*. Awaking one Day from his accustomed Hour's Sleep after Dinner, he was seized with great Pain in the Head, and Giddiness; violent Sickness at the Stomach, a frequent Inclination to Vomit, intense Pain in his Back, and made Coffee-colour'd Water. On his Arrival in Town his Disorder was judged by his Physician to be a Return of his Intermitting Fever, attended with some Nephritic Symptoms: so that the Bark was prescribed him, and at the same time Regard had to his Nephritic Complaints. But, these Symptoms not yielding to this Method, and, his Pulse being hard and full, he was bled in the Arm even to a third Time, e'er the

Complaints in the Head ceased, or the concreted Matter had work'd its painful Passage into the Bladder. The immediate Ease procured to his Lordship, with the Disappearance of the Coffee-colour'd Water, was a plain Indication of that Event. Every Time he now made Water, he expected to discharge what was thus descended into the Bladder. But, as those Expectations were entirely fruitless, a Doubt began to prevail, whether it were any thing more, than a gravelly Affair, accompanied with some Symptoms, produced by the Intermitting Fever. After these Evacuations by Bleeding, he return'd to the Use of the Bark ; which, in different Forms, he con-

tinued at least for six Months. The Duration of this Paroxysm subsisted, I think, about ten Days ; and determined him to confine himself at Home for a Month or more to a close Retirement : Using a plain Diet all that Interval, and being so abstemious in respect of Wine, that he drank nothing but a little Sack. The first Visit he made, after this Shock, was in an extreamly easy Chariot. As he went into the House, he felt an unusual Irritation to make Water. The Urine discharged on this Occasion was tinged with Blood. But, after resting there some Hours, that Appearance vanish'd ; though it shewed itself again on his Return Home, with the former preter-natural Irritation.

ritation. He passed a few Days then in absolute Rest: But, on taking a turn again in his Chariot, the Symptoms, even from that little Motion, were renew'd. During this whole Space no Pain affected the Back. As I saw his Lordship often, I told him what I thought without any Reserve; namely, that the bloody Urine, and frequent Provocation to make Water (very troublefom, at least, though not attended with much Pain) were owing to the Stone, which had passed from the Kidneys to the Bladder, in the late Nephritic Fit. But, as the Blood, that came a-way, was judged absolutely by his Physician to proceed from the Kidneys,

neys, this Symptom was deem'd fo
no material Consequence.

My Lord now thought of go-
ing into *Norfolk*. I confess, for
my own Part, I did not imagine
such a Journey practicable for him
without the Conveniency of a Horse-
Litter. However, he undertook it
the Beginning of *July*: Having
first determined upon entring on a
soft, lubricating, Regimen, and, a-
mongst other Things, on Drink-
ing a Tea made with the Ingre-
dients for the Syrup of Marsh-
Mallows twice a Day. The Symp-
tom of Bleeding, which was wont
to return on Motion in Town, gave
him no Molestation whatever on
the Road. On his Arrival in the
Country,

Country, he kept himself as quiet as he possibly could: And, whenever he indulged the taking a little Air, 'twas always with the Precaution of not moving off the Turf, but of keeping still within his own Park. The first Excursion he made was a Visit at about six Miles Distance from *Houghton*. Notwithstanding the Evenness of the Way, the bloody Urine return'd, and that with greater Violence, than it had hitherto done, together with the former frequent Irritation to make Water; which, indeed, he was never long free from, during the whole Course of his Illness. However, on Rest, and taking *Manna* with Cream of Tartar-Whey, those Symptoms once more dif-

disappear'd. Matters being thus circumstanced, he hardly, now, ever stirred abroad. A Relapse was still consequent to Motion, which Rest as naturally seldom fail'd to remedy: I say *seldom fail'd*; because he sometimes voided Blood, notwithstanding all the Rest imaginable.

IN November last his Lordship repair'd again to Town: And, though his Physician in the Country, Dr. *Hepburn*, had very judiciously put him on drinking freely of an Emulsion pretty well impregnated with Gum Arabic, and had injoin'd plentiful Dilution, the Journey (four Days in performing) was nevertheless extreamly painful to him.

him. The Discharges from the Bladder were often attended with so great an Effusion of Blood, that they could not with any Justice lay Claim to the Name of Urine. The irksom Sensation at the End of the *Penis* was now more frequent, with an additional Pain in going to Stool. The Description he gave of his last Day's Travel, though of but twenty Miles, was enough to fill one's Mind with Horror: being obliged to alight from his Chariot at least twenty times, and every time subjected to a Discharge of almost pure Blood, with most excessive Pain. Arrived in Town, and being at rest a Day or two, the Bleeding left him, but not the uneasy Sensation at the Extremity of the *Penis*. Sir

C. Edward

Edward Hulse, being called the next Morning to his Affiance, was apprized of these preceding Circumstances by his Lordship's own Relation of them : who, (though my Lord had labour'd under no Return of any Nephritic Paroxysm, but only, to use his own Expression, complain'd of having felt at Times a Grumbling in his Kidneys, which he thought not material) was of Opinion, that the Seat of the whole Disorder was in the Kidneys; insomuch as the Bladder, being furnished with but few Blood-Vessels, could not supply any great Quantity of Blood; and, besides, that almost all Discharges of Blood through the *Urethra* proceeded from the Kidneys. It was a Concern to me,

me, that I could not help differing in Opinion from a Physician of so great Experience, as I was sufficiently convinced, that the Stone in the Bladder was the sole Cause of all this Tragedy: The first Action of which ought to be dated from the violent Nephritic Attack the preceding *May*; there having been no Complaint in my Lord of that Nature for ten Years before. A soft and diluting Method was now again prescribed, and pursued by his Lordship from the twenty-third of *November*, the Day of his Arrival in Town, to the fifteenth of *December*, the Time Dr. *Jurin* first visited him. During this Space, he had two Returns of Bloody

Urine, though he did not stir from Home but twice, and that but a very little way, in a Chair.

Dr. *Jurin* being now consulted jointly with Sir *Edward Hulse*, Searching was proposed: but, as Dr. *Jurin* was convinced, there was a Stone in the Bladder, (though he thought the Kidneys might, perhaps, in some degree, be also affected) and his Lordship at the same Time fixed in a Resolution not to be Cut, all Thoughts of it for the present were laid aside: especially, as such an Attempt could not fail of encreasing an Irritation, which was already become abundantly too troublesom. A Draught therefore was prescribed, composed of

of six Ounces of Pectoral Decoc-
tion without the Herbs, an Ounce
of Syrup of Marsh-Mallows, two
Drachms of Spirit of Mint, and
a Drachm of Dr. Jurin's *Lixivium*
Lithontripticum. This was directed
to be given three times a Day ; and
the Dose of the *Lithontriptic Lix-*
ivium gradually encreased to al-
most a triple Quantity. After some
Time he took the *Lixivium* at his
Meals in small Beer, in which was
a Glass of Sack. So that from the
fifteenth of *December*, to the fourth
of *February* following, my Lord
had taken six and thirty Ounces of
this *Lixivium*. Bloody Urine du-
ring this Period renewed the Alarm
several times. On the ninth of
January particularly he had a
more

more than ordinary Flux of Blood, attended with greater Pain, than he had ever yet felt, at the End of the *Penis*. Clysters were frequently injected ; but these proved of very little Advantage : Inasmuch as he could not retain the smallest Quantity of Remedies of that Nature through the whole Course of his long Illness. In the Evening he voided as much gritty Matter, as would cover a Shilling, of the colour of common House-Sand, and looking as if wrought together with Gum-Water. Tolerable Ease succeeded this gravelly Discharge : Nor was the following Night pass'd without pretty good Rest, though partly procured by the Help of an Opiate.

THE

THE ensuing Journal was kept with all imaginable Exactness by one of his own Sons, as well as by myself.

Sunday Evening, February 3.
My Lord voided bloody Urine several Times. He had in the Night frequent provocations to make Water. About nine on *Monday Morning* he discharged a great Quantity of Blood. Before eleven a small Stone came away; and soon after he complain'd of an intolerable Pain in the *Penis*. Mr. *Ranby*, after examining the Part, extracted from the Urethra a Stone exceeding the Dimensions of the largest Kidney-Bean. About one he felt a strong Irritation

Irritation to make Water ; which was follow'd by a large Discharge of Blood, a good deal of it coagulated : In which were found eleven Pieces of Stones, some of them smooth and rounded on one side, and scraggy on the other ; some sharp and pointed on all sides, as having been inner Parts ; but not one of these, that did not evidently appear to have been a Part of some larger Stone. These Fragments were whitish ; but, in the Stones which were entire, the Parts in their Joinings were streak'd with Yellow Veins, resembling in some measure Mosaic Pavement. Ten, or twelve, of these had very probably been cluster'd together (with a Nucleus apparently within) something

thing like a large Grape-Stone. The Urine, though still bloody, grew gradually less and less discolour'd till three ; when it was not in the least distain'd. A little after three, there issued a great Quantity of Blood, which brought along with it two Pieces of Stone of a larger Size, than most of the former. He again voided more Blood, and that in still greater Quantity, and said he felt more Stone had forced its Passage. But there was such an extraordinary Coagulation of the Blood discharged, that there could not be discover'd any concreted Substance, till the *Coagulum* had been dissolved in a large Bafon of Water : when about fifteen Pieces presented themselves ; one of which was a

D

Stone,

Stone; near entire, and almost as big as the great one in the Morning, but flatter; another, more than half as big, a Piece of which had been broken off. This Stone, on Examination, was found compacted of three, very slightly cemented together; being unable, seemingly, to bear even the least Touch without danger of falling asunder. My Lord continued voiding Blood perpetually, from nine in the Morning till six in the Evening. After taking a little Soup, and drinking a Pint of Table-Beer, and a large Glass of Sack and Water, Dr. *Jurin* order'd him a Clyster: But, before That arrived, he had two Stools, between which was given him an Opiate. The Blood still coming

coming away incessantly, Recourse was had to Styptic Draughts, in each of which was half a Drachm of the Bark ; and about half an Hour after eight the Flux began to abate. He complain'd much of being griped. About nine the Blood stopp'd, and his Complaint turn'd to the Strangury. He grew sick at his Stomach, and endeavour'd to vomit, but could not. Before eleven his Bleeding return'd. Sir *Edward Hulse* and Dr. *Jurin* gave him twelve Drops of Liquid Laudanum in Wine and Water warm : Which, together with what he had taken in the Opiate and Styptic Draughts, amounted to fifty Drops. His right Hand was quite cold and clammy, his Pulse sinking every

Minute, and the Tendons leaping,
He complain'd of great Pain at the
Bottom of his Belly, and that his
Feet were numb'd. His Thighs
and his other Hand grew cold.
They gave him the Bark, accom-
panied with a few Drops of Lau-
danum: And from one till two
he voided no Blood, but could
not sleep. Between three and four
he slept for about a quarter of an
Hour. Sir *Edward Hulse* thought
his left Hand warm again, and his
Thighs warmer. He continued to
discharge almost pure Blood,
though not so profusely. Be-
tween six and seven he slept
three quarters of an Hour, and
then waked with a total Cessation
of his Pain; but, with a Pulse
scarcely

scarcely perceptible, immediately grew sick, and brought up all his Bark: Of which he had taken seven Drachms in the space of six Hours. Mr. *Ranby* and Mr. *Graham*, from this sudden Transition from great Pain to absolute Ease, were apprehensive of a Mortification of the Parts. He continued in this way till nine. Cordials were prescribed him; but he remain'd all *Tuesday* with little or no Alteration. The following Night he slept six Hours in all, at three several Times; taking the Tincture of the Bark, and Broth, at the Intervals. At nine o'Clock on *Wednesday* Morning his Hands were grown quite warm, though his Pulse was low. About ten at Night he discharged a small matter of

of Blood. After that he was left to his Repose, and slept till two in the Morning ; when his Bleeding return'd with Violence, and interrupted his Rest till eight o'Clock ; by which Time it was considerably lessen'd. His Pulse was strong, but subject to frequent Changes and Interrmissions : Which, indeed, was generally the Case. He complain'd of an Uneasiness in his right Kidney, which was but of short Duration ; and, about twelve, the Urine was like the Grounds of Coffee. They then gave him an oily Clyster to empty his Bowels, and to prevent the Bark from making him sick ; which he began to be afraid of, and on that Account did not care to take it any longer

longer in Substance : For which Reason a good strong Tincture of it was substituted in its room. He grew now exceedingly drowsy, and was ever desirous of being left to sleep, as soon as he had taken his Medicines, or Broth. Great Quantities of Urine were involuntarily discharged, with scarce any Tincture of Blood : And Sir *Edward Hulfe* was persuaded, that the Bleeding had proceeded from the Kidneys ; and that, when my Lord made the Coffee-colour'd-Water, the imagined Obstruction was removed. They now order'd him the Extract of the Bark, instead of the Tincture ; and, at eight in the Evening, another Clyster : Which, as well as the former, came away im-

immediately without Effect. His Spirits sunk extremely after this ; but he rested pretty well till two in the Morning : When his Bleeding came upon him again very violently, as it had done the Night before at the same Hour. At three he took eighteen Drops of Laudanum, but got no Rest till six.

Friday 8. This Morning his Spirits were raised with the Opiate, and his Pulse was good ; but, having had no Stool since *Monday*, they gave him a Suppository at eleven ; and, instead of the Extract of the Bark, he took forty Grains of the Substance in the Tincture, with five Grains of Rhubarb, every three Hours. Between one and two

he

he had a Stool, and another about six: By which means he was much refresh'd, and continued in great Spirits till ten or eleven, when he began to be once more very low, and depresso'd. At half an Hour after eleven he fell into his Bleeding again, and continued altogether restless with a high Pulse till two, when Sir *Edward Hulse* gave him a Dose of Laudanum, as he had done the Night before: And when that began to take Effect, the Bleeding went off, and he got some Rest.

Saturday 9. This Morning he was much better; tho' his Pulse was harder. The Physicians, on finding the Bark had not succeeded in

E regard

regard of stopping the Bleeding, added ten Drops of the Royal Stptic to each of his Draughts. He was in good Spirits this whole Day. About ten at Night his Pulse rose, and, some Drops of Blood coming from him, he was bled eight Ounces in the Arm ; which relieved that Symptom. The Bark was now laid aside ; and this Night he took two oily Draughts, voiding no Blood. In the Morning his Pulse was extremely low, and he complain'd of great Sicknes in his Stomach ; and, about half an Hour after, had some Return of his Bleeding ; as he had again at three. All this Day he took no Medicines, was very thirsty, and perpetually dosing. His Pulse was rather bet-
ter,

ter, than the preceding Days, but his Tongue more brown, and dry. His Urine continued Dripping from him, always leaving a brown Coffee-colour'd Stain in the middle of the Napkin. At eight, by the Advice of the Physicians, he took half a Pint of purging Water, and afterwards rested well.

ON the eleventh Dr. *Crowe* was call'd in: Who, from a Relation of the Case, was strong in Opinion, that all these Stones, coagulated Blood, &c. descended directly from the Kidneys, though there had been no Nephritic Complaint of late: And that he had several Times known collected Matter of this Nature to *plug* up the Kidneys;

which at length had pass'd with very little Pain: It being, in reality, his Sentiment, that all Discharges of Blood flow'd, not from the Bladder, but entirely from the Kidneys.

At eight this Evening, Sir *Edward Hulse* and Dr. *Jurin* being present, Mr. *Ranby*, with his Hands, press'd the Bottom of his Belly; and the Water gush'd out, of a perfect deep Coffee-colour. They now concluded his Bladder was fill'd with coagulated Blood, and so much distended, that it had lost its Tone. Mr. *Ranby* proposed laying on Bladders filled with warm Water, in order to try, by an Application of that Sort, to dissolve, if possible, the *Coagulum*: But the Physicians

ficians fear'd such an Expedient would set him o'bleeding afresh. However, one was ordered to be applied, in case the old Complaint at the End of the *Penis*, or Neck of the Bladder, should return in the Night: Which was accordingly done; but, causing an Uneasiness, was soon removed.

ON *Tuesday*, the twelfth, he slept very little all Day, and at Night grew more uneasy, and very much affected in his Head. His Pulse was low, and fluctuating, and his Memory deficient. He complain'd of great Numbness all over, and frequent Twitchings. He would fain have taken another Opiate: But Mr. *Ranby*, finding him so much dis-

disorder'd, would not venture to give it him.

Wednesday 13, The Physicians came, but declined putting up the *Catheter*, (which they had proposed the Day before) for fear of doing a farther Injury to Parts, already too much hurt: And therefore only directed his Bladder to be often press'd with the Hand. He was now rather weaker, and at Night again disturb'd in his Head, though he had taken no Laudanum. After an Hour and a half's Sleep, he awaked with his Head quite clear: Rested well afterwards, a great deal of the dark Water having dripp'd from him, in which were several small Clots of grumous Blood.

Thurs-

Thursday 14, This Morning he was perfectly in his Senses ; but his Tongue was rather more dry, though his Pulse was very good. At Night he rested ill, and complain'd of Pains about his Bladder ; which they thought proceeded from the Decrease of the coagulated Blood in it, which came away more and more.

Friday 15, The Physicians again prescribed him the Extract of the Bark twice a Day, in order to restore the Bladder to its proper Tone.

Saturday 16, He rose about eleven. His Water grew clearer, and his Tongue moistish, with less Brown-

Brownness remaining. He complain'd of colicky Pains, and at Night had a loose Stool. His Senses and Memory were now entirely perfect. In the Night, he was sick, vomited, and rested ill.

Sunday 17, He rose, his Strength being apparently encreased. The *Catheter* was tried, and then the Candle: But Neither could pass, there proving to be an Obstruction in the Part, attended with great Soreness.

THUS far the Journal. And, indeed, at the Solicitations of the Physicians, I twice attempted to pass the *Catheter*; but, through some occasional Stop in the Passage,

sage, and that so necessary Cau-
tion of not applying Force, with-
out Success. These ineffectual Es-
says determined me to call Mr.
Cheseiden to my Assistance ; who
succeeded, as it happen'd, no bet-
ter than myself. The Instrument,
indeed, penetrated farther than
before ; but not without Pain,
though little or no Force was
used. What put them on pres-
sing so much this Operation, was
to draw from the Bladder the
grumous Blcod, and thereby re-
store that Vessel to its former
Tone ; though at this Time the
Urine, impregnated with this gru-
mous Matter, rather exceeded in
Quantity all he drank ; wetting

four or five and thirty Napkins
every twenty four Hours.

It is observable, that, from the opening to the closing this melancholy Scene, there ever subsisted an insatiable Thirst, with a dry and brownish Tongue: Which at the Expiration of about a Fortnight began to grow clearer, and remain'd so for a few Days; the Roughness of the Tongue nevertheless, and Thirst, no ways abated. The Pulse would alter several Times in the Space of half an Hour; and yet the Physicians in the mean while entertain'd some Hopes of his Recovery: so far were they from apprehending his Dissolution to be so near at hand. From the Day he voided that Number of Stones,

Stones, and Quantity of Blood, he could never retain his Urine: Which was, for the first Month, loaded with grumous Blood, ouzing out with it in a constant Dripping. In proportion to the Decrease of this *Coagulum*, (which was continually dissolving by the Urine) the Pain from the Neck of the Bladder to the End of the *Penis*, was more frequent; as was likewise a Symptomatic Colic, which he from first to last complain'd of in the Neighbourhood of the *Os Pubis*.

FROM the twenty-first of *February* to the sixteenth or seventeenth of *March*, being within a Day or two of his Death, among other Medicines (which were all of

a soft, lubricating Nature) he every Night took a Draught with half an Ounce of Diacodium in it, and thrice in that Time some additional Drops of Laudanum: His Diet being Asses - Milk, Chicken - Broth, Small - Beer, and now and then a Glass of Wine and Water.

SEVERAL Attempts were made to lay aside his composing Draught, but in vain. For his Nights were so restless, and such an Uneasiness prevail'd through his whole Frame, that there was an absolute Necessity of recurring to it before Morning. The Tongue began now to grow browner and browner, with deep Chops in it; which, in effect, had all along been generally of the Colour

Colour of a Nutmeg, and rough to a great Excess.

ABOUT a Week before he expired, he was seized with a colliquative *Diarrhœa*; which, being beyond the Power of Astringents, or Opates, to remedy, contributed, no doubt, to put a more immediate Period to his tedious, and, at Times, most intense Pains.

THUS died the EARL of ORFORD; who in private Life had few Equals, in publick, perhaps, no Superiors.

ON

ON opening the Right Honourable the Earl of *Orford*, there occur'd the following Appearances. The Contents of the lower Belly were all, except the Bladder, in a natural State. This Vessel had expanded itself above the *Os Pubis* at least four Inches : On cutting into its Cavity there issued a Quantity of Urine, with three large Clots of coagulated Blood ; which no doubt had lain there for some Time. On separating the Bladder from the Parts with which it was connected, and dividing it from the Neck to the Bottom, several inflamed Spots were observable ; with an Inflammation quite round the Neck about the Breadth of two Inches, and a Lodg-

Lodgment in the Membrane of several small Stones, about the Size of half a Grain of Wheat. Its Substance was of a very unequal Texture, innumerable Ridges as thick as the eighth of an Inch, and many of them much larger, running a-cross one another thro' the whole Capacity of it; while the Spaces between those Ridges were as remarkably thin, and transparent. The *Prostate Glands* were enlarged, and become harder than they commonly are. No Defect was discoverable in the Kidneys, nor *Ureters*: Though the *Pelvis* was larger then usual.

E. Hulse,
J. Ranby,
W. Gheselden.

An

An Explanation of the P L A T E.

- A. The Stone extracted from the *Urethra* near the *Glans*.
- B. Two lesser Stones, that came away at the same Time, with another Piece, which is lost.
- C. Nine of the eleven Stones voided afterwards, the other two being lost.
- D. Two Fragments discharged some Time after.
- E. The next Parcel, that came away: in which,
 - i. The *Nucleus*.
 - F. The

F. The Stones, in which the Cement was loosen'd, but not quite separated.

G. Stones lodged in the inflamed Part of the Membrane at the Neck of the Bladder, with two or three more, which are lost.

G THE

THE following was sketch'd out by his Lordship's Physician in the Country, in order to its being communicated to his Physicians in Town.

August 9, 1744.

MY Lord *Orford*, riding in a Coach five or six Miles in the Forenoon, made bloody Water. This increased, returning Home a longer way by two Miles ; but, after Dinner and Rest, ceased intirely, by degrees, before Night.

Next Morning (after a tolerable easy Night, but a frequent Provocation to make Water) there was found a good deal of small Gravel in the Pot.

August

August 11. Going to *Halkham* (about seven Miles) he began to make bloody Water (very deep colour'd) the first two Miles, and again five times before his Lordship got thither. The same, returning Home in the Evening. Had a pretty good Night, but with frequent Mi&turition: And in the Morning, in an amber-colour'd Urine was found much Gravel; with a String (his Lordship called it) of grumous Blood, in which some Gravel was enveloped.

ALL this bloody Water his Lordship ascribed to drinking much Marsh-mallow Tea of late, and the Frequency of making Water to a

G 2 Weakness

Weakness in the *Sphincter* of the urinary Bladder, the natural Consequence of a declining Age, or a paralytick Disorder in those Parts : and the rather, by reason he has sometimes found a Numbness in one of his Hands.

BUT, it is to be observed, that after making bloody Water there has constantly been felt the same kind of *Stimulus* upon the *Sphincter Ani* ; and (in some Degree) as his Lordship used to feel of old, when a Stone was ready to be voided from the Bladder ; and that after the bloody Water, and the common and constant Consequence of it, the voiding of Gravel (mixed or unmixed with grumous Blood) ceas-
ed,

ed, that Irritation ceased likewise: so that Gravel lodged about the Neck of the Bladder seems to be the undoubted Cause of all this bloody Water, which the Motion of Road-riding brought into Action (perhaps assisted by the Mallows Tea.) Not so, the same Motion along the green Turf of the Park.

Now, if the Cause of frequent Micturition was a Weakness of the Muscular Fibres of the Bladder, (a certain Concomitant of decrepit Age) the Disease, as the Cause, would be continual, and there would be a constant Dribbling of Urine. Whereas, 'tis plain, that that Frequency is more or less from

from the greater or lesser Quantity, or the Size, or Situation of the Gravel irritating, from this remarkable Observation, *viz.* About ten Days ago, after taking the Manna and Cream of Tartar, his Lordship lay quiet and easy five Hours that Night; a Time twice as long as any he had had since he came into the Country.

His Lordship will make mention of his making bloody Water, upon taking a Journey to *Woolterton* (about twenty Miles) September 14. and of a Frequency of it almost every half Hour. Yet, after drinking *Bristol Water*, eating a good Dinner, and drinking Marsh-mallow

hallow Tea towards the Evening, a quiet Night ensued.

I N E E D not add, That on *Monday*, *October 29*, His Lordship took the Manna and Cream of Tarar; on *Tuesday* Evening made loody Urine without going a-road: but then on *Wednesday* the thirty-first voided a small hard tone, no bigger than a Pin's Head, and after that was easy.

G. HEPBURN.

The END.

